	То:		PCT					
see form PCT/ISA/220			WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43 <i>bis</i> .1)					
			Date of mailing (day/month/year) see form PCT/ISA/210 (second sheet) FOR FURTHER ACTION See paragraph 2 below					
Ł	Applicant's or agent's file reference see form PCT/ISA/220							
	International application No. PCT/US2004/019609	International filing date (c 18.06.2004	day/month/year)	month/year) Priority date (day/month/year) 01.08.2003				
	International Patent Classification (IPC) or both national classification and IPC C09D183/04, H01B3/46, H01L31/0392							
	Applicant DOW CORNING CORPORATION		San They	1 10 5 W/1/00				
	This opinion contains indication	ons relating to the follo						
	Box No. I Basis of the op							
	☐ Box No. II Priority							
		ard to novelty, inventiv	e step and industrial applicability					
	☐ Box No. IV Lack of unity o		4/-1/0					
⊠ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
1								
		s in the international app						
	Box No. VIII Certain observations on the international application							
	2. FURTHER ACTION	FURTHER ACTION						
	If a demand for international pre- written opinion of the Internation the applicant chooses an Author International Bureau under Rule will not be so considered.	lowever, this does not apply where chosen IPEA has notifed the						
	If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.							
	For further options, see Form PCT/ISA/220.							
	3. For further details, see notes to							

Name and mailing address of the ISA:



European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016

Authorized Officer

Hallemeesch, A

Telephone No. +31 70 340-2431



WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

10/566788 International application No. PCT/US2004/019609

IAP9 Rec'd PCT/PTO 31 JAN 2006

	Box N	o. I Basis of the opinion			
1.	With regard to the language , this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.				
	laı	is opinion has been established on the basis of a translation from the original language into the following inguage—, which is the language of a translation furnished for the purposes of international search index Rules 12.3 and 23.1(b)).			
2.		egard to any nucleotide and/or amino acid sequence disclosed in the international application and eary to the claimed invention, this opinion has been established on the basis of:			
	a. type of material:				
		a sequence listing			
		table(s) related to the sequence listing			
b. format of material:					
		in written format			
		in computer readable form			
	c. time	of filing/furnishing:			
		contained in the international application as filed.			
		filed together with the international application in computer readable form.			
		furnished subsequently to this Authority for the purposes of search.			
3.	ha co	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto as been filed or furnished, the required statements that the information in the subsequent or additional spies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.			
4.	Additio	onal comments:			

	Вох	No. II	Priority					
1. The following document has not been furnished:						•		
		\boxtimes	copy of the earlier	application	whose pric	ority has been claimed (Rule 43bis.1 and 66.7(a)).		
			translation of the e	arlier appli	cation who	se priority has been claimed (Rule 43bis.1 and 66.7(b)).		
						er the validity of the priority claim. This opinion has on that the relevant date is the claimed priority date.		
2.		This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.						
3.		It has not been possible to consider the validity of the priority claim because a copy of the priority document was not available to the ISA at the time that the search was conducted (Rule 17.1). This opinion has nevertheless been established on the assumption that the relevant date is the claimed priority date.						
4.	Add	itional c	observations, if nece	essary:				
		No. V ustrial				bis.1(a)(i) with regard to novelty, inventive step or as supporting such statement		
1.	Stat	tement						
	Nov	elty (N))	Yes:	Claims	9,18		
				No:	Claims	1-8,10-17		
	Inve	entive s	tep (IS)	Yes:	Claims			
				No:	Claims	1-18		
	Indu	ustrial a	applicability (IA)		Claims	1-18		
				No:	Claims			
2.	Cita	ations a	nd explanations					
	see	separa	ate sheet					

Re Item V.

1). State of the art

The following documents are referred to in this communication:

D1: US-4626556A (1986-12-02) D2: US-6340735B1 (2002-01-22) D3: US-5183846A (1993-02-02) D4: EP-0447611A (1991-09-25)

Document D1 discloses (see claims 1-7; column 8, lines 14-19 and example 17 with reference to examples 3, 13 and 14) a coating on aluminum plate of organopoly-silsesquioxane ladder polymer having alkyl, alkenyl and/or aryl groups, but no hydroxy groups.

Document D2 discloses (see claim 1; column 2, lines 57-67; column 6, lines 1-17 and example 2) a poly(phenylsilsesquioxane) ladder polymer coated on a silicon wafer having deposited metallic aluminum. The coating has high planarity, is 0.1 to 10 micron thick and has dielectric constant of about 2.0 to about 2.6

Document D3 discloses (see claims 1, 2 and examples 5-7, 17 and 18) a silicon ladder polymer with alkyl, aryl, vinyl as well as silanol groups, coated on Al-clad Si wafer.

Document D4 discloses (the references in parenthesis applying to this document) a planarizing silsesquioxane copolymer coating having aminoalkoxysilane monomer, to be applied on metallic substrates.

2). Art. 33(1)(2) PCT - Novelty

As can be seen from the above, the documents D1-D4 disclose in combination all technical features defined in independent claims 1 and 10 as well as in dependent claims 2-8 and 11-17. Hence the subject-matter of these claims is not new (Article 33(2) PCT).

Formally, dependent claims 9 and 18 could be considered to be novel.

3). Art. 33(1)(3) PCT - Inventive step

It is however unlikely that the subject-matter of dependent claims 9 and 18 is based on an inventive step because their subject-matter seems to be obvious in view of cited state of the art and the general knowledge of the one skilled in the art. Moreover, it appears to be a commercially available siloxane resin, see example 4 of the application.